

THERMORFORMABLE ACOUSTIC MATERIAL

ABSTRACT OF THE DISCLOSURE

A multiple layer, thermoformable acoustic sheet material useful for manufacturing acoustic absorption, acoustic barrier and/or vibration damping components includes a barrier layer of fibers having an area weight of from about 40 grams per square foot to about 100 grams per square foot, and an absorber layer of vertically-lapped fibers. The thermoformable acoustic sheet materials may include additional layers, with certain embodiments including an impermeable polymer film layer disposed between the barrier layer and the absorber layer.